HUMAN ECOLOGY
An Interdisciplinary Journal

Vol. 31, No. 1 **March 2003**

CONTENTS

To Human Ecology's Readers, Reviewers, and Contributors 1
Daniel Bates

Adaptive Strategies of Highlands-Origin Migrant Settlers in Port Moresby, Papua New Guinea 3
Masahiro Umezaki and Ryutaro Ohtsuka

Kuku–Yalanji Rainforest Aboriginal People and Carbohydrate Resource Management in the Wet Tropics of Queensland, Australia 27
Rosemary Hill and Adelaide Baird

Socioeconomic Metabolism and Colonization of Natural Processes in SangSaeng Village: Material and Energy Flows, Land Use, and Cultural Change in Northeast Thailand 53
Clemens M. Grünbühel, Helmut Haberl, Heinz Schandl, and Verena Winiwarter

Political Change and Factors Limiting Numbers of Wild and Domestic Ungulates in Kazakhstan 87
S. Robinson and E. J. Milner-Gulland

The Human Ecology of Mayan Cacao Farming in Belize 111
Michael Emch

Social Determinants and Land Use Correlates of Agricultural Technology Adoption in a Forest Frontier: A Case Study in the Brazilian Amazon 133
Stephen G. Perz

BOOK REVIEWS 167

BRIEF COMMUNICATION
Response to Review of *Northern Passage: Ethnography and Apprenticeship Among the Subarctic Dene* 175
Robert Jarvenpa

HUMAN ECOLOGY
An Interdisciplinary Journal

Vol. 31, No. 2 **June 2003**

CONTENTS

Critical Reflections on the Use of Remote Sensing and GIS Technologies in Human Ecological Research 177
Matthew D. Turner and Peter J. Taylor

Shifting Boundaries on a Wisconsin Landscape: Can GIS Help Historians Tell a Complicated Story? 183
Lynne Heasley

Stories Remote Sensing Images Can Tell: Integrating Remote Sensing Analysis With Ethnographic Research in the Study of Cultural Landscapes 215
Hong Jiang

Beyond Ground Truth: GIS and the Environmental Knowledge of Herders, Professional Foresters, and Other Traditional Communities 233
Paul Robbins

Methodological Reflections on the Use of Remote Sensing and Geographic Information Science in Human Ecological Research 255
Matthew D. Turner

Mapping Tension: Remote Sensing and the Production of a Statewide Land Cover Map 281
Alexis A. S. Zubrow

BRIEF COMMENT
Qualitative Insight Into Public Knowledge of, and Concern With, Biodiversity 309
Lori M. Hunter and Joan Brehm

BOOK REVIEWS 321

HUMAN ECOLOGY
An Interdisciplinary Journal

Vol. 31, No. 3 **September 2003**

CONTENTS

Assigned Territories, Family/Clan/Communal Holdings, and Common-Pool Resources in the Taimyr Autonomous Region, Northern Russia 331
John P. Ziker

Land Reform and Land-Use Changes in the Lower Amazoni Implications for Agricultural Intensification 369
Célia Futemma and Eduardo S. Brondízio

Cassava (*Manihot esculenta* Crantz), Cyanogenic Potential, and Predation in Northwestern Amazonia: The Tukanoan Perspective 403
W. M. Wilson

Participatory Development and Community-Based Conservation: Opportunities Missed for Lessons Learned? 417
Lisa M. Campbell and Arja Vainio-Mattila

Living on the Edge: Ecological and Cultural Edges as Sources of Diversity for Social–Ecological Resilience 439
Nancy J. Turner, Iain J. Davidson-Hunt, and Michael O'Flaherty

Who Knows? On the Importance of Identifying "Experts" When Researching Local Ecological Knowledge 463
Anthony Davis and John R. Wagner

BOOK REVIEWS 491

HUMAN ECOLOGY
An Interdisciplinary Journal

Vol. 31, No. 4 **December 2003**

CONTENTS

Important Announcement

Viliui Sakha Post-Soviet Adaptation: A Subarctic Test of Netting's Smallholder–Householder Theory 499
Susan A. Crate

Nutritional Consequences of Wealth Differentials in East African Pastoralists: The Case of the Datoga of Northern Tanzania 529
Daniel W. Sellen

Driving Bison and Blackfoot Science 571
Russel Lawrence Barsh and Chantelle Marlor

Diversity, Risk Mediation, and Change in a Trans-Himalayan Agropastoral System 595
Charudutt Mishra, Herbert H. T. Prins, and Sipke E. Van Wieren

Fishing Behavior and Decision-Making in an Ecuadorian Community: A Scaled Approach 611
Greg Guest

BRIEF COMMUNICATION
The Ecological Economics of Harvesting Sharp-Pointed Rush (*Juncus acutus*) in the Kizilirmak Delta, Turkey 645
Uygar Özesmi

BOOK REVIEW 657